

1000W Modified Sine Wave Power Inverter

This 1000W power inverter converts DC power to AC power using a modified sine wave. The full power inverter provides strong protections to ensure stable performance.



Overview

Reliable Power Conversion

This 1000W modified sine wave power inverter efficiently converts DC power into stable AC electricity, making it ideal for running household appliances and electronics in mobile or remote environments. Designed with advanced microprocessor control, it ensures high reliability and includes robust protection mechanisms against over-voltage, under-voltage, and short circuits. Its intelligent cooling system and compact, durable build make it a dependable solution for both professional and recreational power needs.

Performance Metrics

Key Performance Indicators

1000 W

Continuous Power

2000 W

Peak Power

85 %

Efficiency

Technical Specifications

Input Voltage Models

Model	Input Voltage	Input Current
THA1000	DC 12V	83A
THB1000	DC 24V	42A
THC1000	DC 48V	22A

Output Characteristics

- Wave Form: Modified Sine Wave
- Output Voltage: 100V-120V / 210V-240V
- Output Frequency: 50Hz-60Hz
- USB Output: 5V DC (500mA-800mA)

Safety & Protection

Protection Mechanisms

Low-Voltage Protection, Over-Voltage Protection, Overload Protection, Over-Temperature Protection, Short-Circuit Protection, Reverse Connection Protection

Physical Attributes

Dimensions and Weight

- Unit Size: 265 x 130 x 65 mm
- Net Weight: 1780 g
- Gross Weight: 2270 g

Certifications

Compliance

CE • RoHS